

**Departure Thrust Cutback:** procedures for pilots to reduce noise during departure.

**Noise Abatement Procedures (Flight Track Changes):** implementation of new flight tracks for the airport including the Bay Visual Approach, use of Flight Management Systems for departure, West Seattle flight track for small planes, southern departure variations, minimal population tracks, and possible altitude evaluation.

**Other Administrative Actions:** actions on the part of the Airport such as a Fly Quiet Program, use of ground leases to encourage use of quiet aircraft, educational programs for operators, and continuation of a committee to monitor and discuss noise issues.

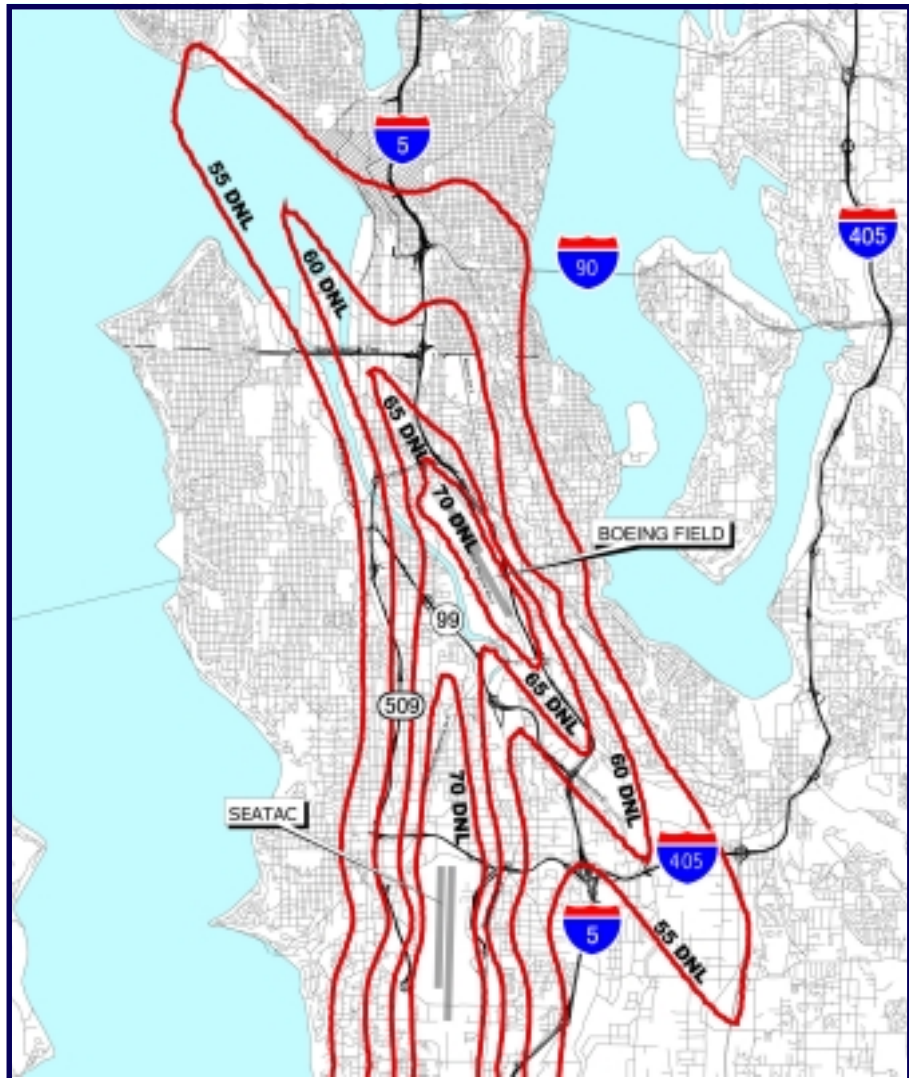
Alternatives that will affect the size and placement of the noise contours will be computer modeled to measure resulting noise reduction and changes in the affected population. Cost and regulatory implications will also be identified.

## Evaluation of Alternatives

At its September 11, 2000 meeting, the Study Advisory Committee identified preliminary criteria, or standards, with which to evaluate the alternatives. Each of the alternatives will be analyzed in light of these standards.

### First Level Criteria

- Fair: Reduces noise, rather than shifts noise, unless both neighborhoods agree
- Fair: Considers people who may be personally hurt by changes that could occur
- Considers economic impacts
- Is safe
- Responsible to those already present at KCIA
- Maintains jobs at KCIA
- Recovers jobs at KCIA
- Considers environmental impacts
- Maintains or improves regional airspace capacity
- Maintains or improves potential airfield capacity
- Safeguards interstate commerce from undue interference
- Treats all types of users equitably
- Contributes to economic viability of the Puget Sound Region



## Combined Noise Contours

The above Noise Exposure Map of contours shows the day/night noise level (DNL) combined for both King County International Airport/Boeing Field and Sea-Tac International Airport. DNL is an annual average of the noise measured over a 24-hour period that accounts for the number of events per day, the time of day in which they occur, and the loudness of the event and includes a penalty for flights at night. The project team has combined these in recognition of the fact that some communities experience combined noise levels higher than those levels generated by just one airport's operations. There is agreement between the two airports that these impacts will also be considered in the Study.

- Reduces noise
- Pioneers community-friendly technologies
- Maintains American competitiveness
- Is forward looking

The following criteria will be analyzed but not used to rule out any alternatives until the end of the evaluation process. This will allow for consideration of innovative or creative ideas.

- Financially affordable within County and Federal budgets